# Author Index to Volume 20 (1975)

Abbott, Russell L 1020 Adams, Alexander B 752 Adair, Donald L 246 Allen, Gary M 617 Allin, Paul F 659 Alpaugh, Sidney S 270 Archibald, Carol 469 Arnold, Earl T 720 Bageant, Robert A 565 Balazs, Donald J 32 Barach, Alvan L 627 Barnes, Thomas A 551 Beckham, Richard W 444 Bell, Patrick 222 Bentley, William D 792 Bergstrom, Kriss 752 Bernhard, William N 51, 57 Bickerman, Hylan A 627 Block, Andrew 914 Boat, Thomas 844 Boocks, Ronald D 446, 718, 828 Borncamp, Rich 610 Botko, Gerald J 137 Boudria, Cornel 1116 Bowser, Michael A 958 Boyer, Floyd 444 Brezinski, Michael E 718 Brickhouse, George S 251 Burke, Aubrey 278 Burton, George G 958 Carden, Edward 69 Carrington, George O 828 Carroll, Robert G 1022 Casas, Rafael 643 Case, Christine L 1031 Case, Robert M 1031 Castillo, Alfredo 643 Cheney, Frederick W 496 Ching, Nathaniel 992 Chusid, E Leslie 155 Cilnyk, Peter 1024 Civetta, Joseph M 551 Conlee, Kathy 268 Cornelius, Robert A 624 Corrie, Doug 1041 Cross, Mervil L 558 Cutler, Tom 444 Datta, Tapan 1022 David, Michael R 1102 Demers, Robert R 26, 224, 324, 499, 661, 727 Des Jardins, Terry 576 Dodson, Burt Jr 116 Doershuk, Carl F 844 Donaldson, M Joanne 260 Eazer, Ted L 261 Eggleston, Ronald 496 Eigen, Howard 1158 Eross, Bela 836 Evans, Phillip N 722 Fegan, Frank J 620 Fehling, Eunice H 1102 Fischer, Robert C 1106

Foley, Harry G 145 Garg, Govind P 246 Gates, A Joanne 1153 Gish, Gareth B 430, 922 Gjerde, G Eric 192, 839, 894, 1110 Glasgow, Gary D 261 Good, Tim J 18, 786 Gordon, Byron D 1106 Gorman, Alfred P 782 Grenvik, Ake 836 Gross, Ray 942 Guest, William A 237 Hagus, Cheryll K 880 Hamburg, Perry I 494 Harris, Judith A 1164 Heimlich, Diane 64 Helmholz, H F Jr 32, 86, 111, 620 Hodgkin, John E 958 Hunter, James W 246 Hursey, Frank X 446 Innes, Frank Jr 1037 Jacobs, Sydney 388 Jerry, Bonita A 1164 Johnson, Donald L 1043 Karetzky, Monroe S 486 Kaufmann, David A 251 Kenney, Francis 655 Kernaghan, John A 543 Kernaghan, Salvinija G 543, 934 Kippel, Edward A 494 Kirimli, Bulent 1022 Kittredge, Philip 316, 432, 433, 526, 707, 806 Klasky, Sheldon 745 Klein, Russell C 348 Knosp, Robert L 796 Krumholz, Richard A 1034 Langenfeld, Joseph J 616 Litsky, Bertha Y 137 Litsky, Warren 137 Loeffelholz, Joel P 388 Lough, Marvin 844 Lutes, John W 149 Lynch, Wilfred 877 Maas, Edward J 530, 970 Marotta, Joseph 1010 Masferrer, Ray 966 May, Malcolm 1114 May, Robert A 228 McAleer, William M 782 McBee, Mark L 745 McDowell, James W 910 Mc Duffee, Patricia J 222 McIntyre, Douglas 1114 McLellan, James H 912 McPherson, Steven P 261 Mendoza, John 1102 Miller, Charles D 1006 Miner, Norman A 745 Mock Richard J 1014 Modell, Jerome H 356, 373, 395, 473 Mohan, John 878 Molloy-Ertingshausen, Marlene 817

Morrison, Donald R 828 Moser, Kenneth M 349, 367, 377, 401, 464, 480 Mott, Arthur F 720 Mullen, Anthony F 324, 618 Nedley, Joseph A 111 Nelson, Donald D 841 Ng, Thien 1022 Nobel, Joel J 929, 945 Olson, Raymond P 716 Ortiz, Arthur H 970 Oslick, Theodore 925 Ouellette, Thomas R 563 Owens, Dave 881 Paegle, Roland D 51, 57 Paez, Pedro N 1064 Petty, Thomas L 499, 627 Piergeorge, A R 255 Powell, John 1110 Powers, Ernest D 786, 852 Powers, William E 26, 46, 84, 280, 321, 332, 446, 496, 528, 560, 612, 618, 877, 992, 1054 Reid, Ian 620 Reiss, James 1172 Rosenbauer, R Bruce 442 Saklad, Meyer 661, 727 Sansone, Joseph D 265, 536 Saposnick, Allan B 81, 491, 938 Sawyer, William L 540 Scanlan, Craig L 495, 528, 823 Schaffer, R A 610 Shannon, Doug 1114 Sheely, Raymond B 85, 1116 Sims, E 116 Smith, Leonard O 551 Snyder, Sharon 720 Spearman, Charles B 750 St Claire, B J 1006 Steinbach, R Bruce 69, 442 Stenzler, Alex 442 Steven, James M 828 Stewart, Marion 841 Storer, James S 1146 Stubbs, Hugh 1114 Swenson, Edward W 251 Thurlbeck, William M 1056 Tomasello, Philip A 1022 Waring, William W 1138 Weaver, Ron G 232 Wehr, Kenneth L 966 Weilacher, Robert R 77, 272 Whitmore, Elaine 745 William, Andrew A 261 Williams, Thomas J 44 Witkowski, Arthur S 18 Yanda, Roman L 648 Young, Edward J 1064 Youtsey, John 237, 1050 Zimny, Marilyn 364 Zwagil, Larry W 145, 232

# Author Index to Volume 20 (1975)

Abbott, Russell L 1020 Adams, Alexander B 752 Adair, Donald L 246 Allen, Gary M 617 Allin, Paul F 659 Alpaugh, Sidney S 270 Archibald, Carol 469 Arnold, Earl T 720 Bageant, Robert A 565 Balazs, Donald J 32 Barach, Alvan L 627 Barnes, Thomas A 551 Beckham, Richard W 444 Bell, Patrick 222 Bentley, William D 792 Bergstrom, Kriss 752 Bernhard, William N 51, 57 Bickerman, Hylan A 627 Block, Andrew 914 Boat, Thomas 844 Boocks, Ronald D 446, 718, 828 Borncamp, Rich 610 Botko, Gerald J 137 Boudria, Cornel 1116 Bowser, Michael A 958 Boyer, Floyd 444 Brezinski, Michael E 718 Brickhouse, George S 251 Burke, Aubrey 278 Burton, George G 958 Carden, Edward 69 Carrington, George O 828 Carroll, Robert G 1022 Casas, Rafael 643 Case, Christine L 1031 Case, Robert M 1031 Castillo, Alfredo 643 Cheney, Frederick W 496 Ching, Nathaniel 992 Chusid, E Leslie 155 Cilnyk, Peter 1024 Civetta, Joseph M 551 Conlee, Kathy 268 Cornelius, Robert A 624 Corrie, Doug 1041 Cross, Mervil L 558 Cutler, Tom 444 Datta, Tapan 1022 David, Michael R 1102 Demers, Robert R 26, 224, 324, 499, 661, 727 Des Jardins, Terry 576 Dodson, Burt Jr 116 Doershuk, Carl F 844 Donaldson, M Joanne 260 Eazer, Ted L 261 Eggleston, Ronald 496 Eigen, Howard 1158 Eross, Bela 836 Evans, Phillip N 722 Fegan, Frank J 620 Fehling, Eunice H 1102 Fischer, Robert C 1106

Foley, Harry G 145 Garg, Govind P 246 Gates, A Joanne 1153 Gish, Gareth B 430, 922 Gjerde, G Eric 192, 839, 894, 1110 Glasgow, Gary D 261 Good, Tim J 18, 786 Gordon, Byron D 1106 Gorman, Alfred P 782 Grenvik, Ake 836 Gross, Ray 942 Guest, William A 237 Hagus, Cheryll K 880 Hamburg, Perry I 494 Harris, Judith A 1164 Heimlich, Diane 64 Helmholz, H F Jr 32, 86, 111, 620 Hodgkin, John E 958 Hunter, James W 246 Hursey, Frank X 446 Innes, Frank Jr 1037 Jacobs, Sydney 388 Jerry, Bonita A 1164 Johnson, Donald L 1043 Karetzky, Monroe S 486 Kaufmann, David A 251 Kenney, Francis 655 Kernaghan, John A 543 Kernaghan, Salvinija G 543, 934 Kippel, Edward A 494 Kirimli, Bulent 1022 Kittredge, Philip 316, 432, 433, 526, 707, 806 Klasky, Sheldon 745 Klein, Russell C 348 Knosp, Robert L 796 Krumholz, Richard A 1034 Langenfeld, Joseph J 616 Litsky, Bertha Y 137 Litsky, Warren 137 Loeffelholz, Joel P 388 Lough, Marvin 844 Lutes, John W 149 Lynch, Wilfred 877 Maas, Edward J 530, 970 Marotta, Joseph 1010 Masferrer, Ray 966 May, Malcolm 1114 May, Robert A 228 McAleer, William M 782 McBee, Mark L 745 McDowell, James W 910 Mc Duffee, Patricia J 222 McIntyre, Douglas 1114 McLellan, James H 912 McPherson, Steven P 261 Mendoza, John 1102 Miller, Charles D 1006 Miner, Norman A 745 Mock Richard J 1014 Modell, Jerome H 356, 373, 395, 473 Mohan, John 878 Molloy-Ertingshausen, Marlene 817

Morrison, Donald R 828 Moser, Kenneth M 349, 367, 377, 401, 464, 480 Mott, Arthur F 720 Mullen, Anthony F 324, 618 Nedley, Joseph A 111 Nelson, Donald D 841 Ng, Thien 1022 Nobel, Joel J 929, 945 Olson, Raymond P 716 Ortiz, Arthur H 970 Oslick, Theodore 925 Ouellette, Thomas R 563 Owens, Dave 881 Paegle, Roland D 51, 57 Paez, Pedro N 1064 Petty, Thomas L 499, 627 Piergeorge, A R 255 Powell, John 1110 Powers, Ernest D 786, 852 Powers, William E 26, 46, 84, 280, 321, 332, 446, 496, 528, 560, 612, 618, 877, 992, 1054 Reid, Ian 620 Reiss, James 1172 Rosenbauer, R Bruce 442 Saklad, Meyer 661, 727 Sansone, Joseph D 265, 536 Saposnick, Allan B 81, 491, 938 Sawyer, William L 540 Scanlan, Craig L 495, 528, 823 Schaffer, R A 610 Shannon, Doug 1114 Sheely, Raymond B 85, 1116 Sims, E 116 Smith, Leonard O 551 Snyder, Sharon 720 Spearman, Charles B 750 St Claire, B J 1006 Steinbach, R Bruce 69, 442 Stenzler, Alex 442 Steven, James M 828 Stewart, Marion 841 Storer, James S 1146 Stubbs, Hugh 1114 Swenson, Edward W 251 Thurlbeck, William M 1056 Tomasello, Philip A 1022 Waring, William W 1138 Weaver, Ron G 232 Wehr, Kenneth L 966 Weilacher, Robert R 77, 272 Whitmore, Elaine 745 William, Andrew A 261 Williams, Thomas J 44 Witkowski, Arthur S 18 Yanda, Roman L 648 Young, Edward J 1064 Youtsey, John 237, 1050 Zimny, Marilyn 364 Zwagil, Larry W 145, 232

## Title Index to Volume 20 (1975)

1–100 JAN 303–414 APR 599–694 JULY 871– 998 OCT 101–196 FEB 415–510 MAY 695–774 AUG 999–1094 NOV 197–302 MAR 511–598 JUNE 775–870 SEPT 1095–1182 DEC

Acid-Base Balance 464

An Acrylic Tracheostomy Talk Plug 260

Administrative Value of Technical Directors 1010

Adult AMBU Modified for Better Oxygenation 1024

Against Recertification 722

Allergic Bronchopulmonary Aspergillosis 486

Allied Health Malpractice Suits 658

Anonymous Letters, Ethics, and NBRT Complaints 886

Another Look at 24 Per Cent Oxygen Masks 228

Are Postgraduate Internships Needed? 612

Are Respiratory Therapy Departments Ready for Interns? 26

Assessing Acute Pulmonary Problems 469

Assisted Ventilation for Cheyne-Stokes Breathing? 496

At Least Re-examine Educators 1006

Basics of RD Article Excellent 26

Bennett Spirometer Alarm Accessory System 145

Book review: Hermippus Revived 1066

Book review: Infection Control Manual 1064

Book review: An Introduction to Respiratory Physiology 180

Book review: Manual of Pulmonary Function Testing 974

Book review: Oxygen Transport, Hypoxia, and Cyanosis 495

Book review: Synopsis of Clinical Pulmonary Disease 1064

The Bourdon Regulator 750

The Breathers 1172

Bronchiolitis or Asthma: Differential Diagnosis and Treatment 1153

Cancer Death Rate Tied to Air Pollution 559

Cancer in Asbestos Workers' Families 264

Caution: Smoking May Become Even More Dangerous to Your Health 666

Central Oxygen Supply versus Mother Nature 1043

A Challenge Sailboat Race in Halifax 620

Chronic Bronchitis and Emphysema 1056

The Chronic Obstructive Pulmonary Diseases 377

A Circuit That Combines Ventilator Weaning Methods Using Continuous Flow Ventilation (CFV) 261

Clinical Usefulness of Planimetric Estimation of Total Lung Capacity 966

Closing Volumes—Fact or Fancy? 155

COLD Gang Put in Deep Freeze 195

Combination Ambulance-Respiratory Therapy Technician 278

Combination Technician/Therapist College Programs? 116

A Comparison of Behavioral Expectations and Performance in Respiratory Therapy Students, Using a Test of

Interactive Problem-Solving Situations 560

Complications of Mechanical Ventilation 401

Continuing Education Courses for Credit 786

Continuing Education for Lifelong License 827

Continuing Education in the Health Professions: Mandatory or Voluntary? 823

Contract Service Limitations 111

Contract Services, Again 782

Control of Bacterial Contamination in Respiratory Care Devices, and a Method for Preventing Autocontamination in Pneumatic Nebulizers 828

Control of Oxygen Concentration During the Sigh Mode with the Emerson Post-Op Ventilator 268

Cough Syncope Fainting 647

Croup or Epiglottitis: Differential Diagnosis and Treatment 1158

Defense Mechanisms of the Lung 364

Definitions of Internships 321

Delineation of Roles 1106

Diaphragmatic Breathing: Look, Ma-No Hands! 557

Dr Helmholz Concedes to Dr Cressley 32

Doctors as Managers of Respiratory Care Services: The Need for Leadership 648

Dropper Inaccurate for Isoproterenol 618

Drowning and Near-Drowning 395

Effects of a Job Enrichment and Unit Management Program on Staff Attitudes and Performance in a Respiratory Therapy Service 643

Effects of Eucalyptol Inhalation on Pulmonary Function 251

Effects of Positive Inspiratory Pressure on Blood Flow in Dogs 237

Eliminate Oral Examinations 534

Emergency Medical Technicians Need Respiratory Care Training 494

Emotional Support for Our Patients 716

Equipment Needs of a Hospital's Respiratory Therapy Program 925

Evaluation of a Breathing Program for Children 64

Evaluation of Decontamination Procedures and Subsequent Contamination of IPPB Setups 137

Everyone Should Be Credentialed 1102

Excess Volume Causes Lung Rupture 232

**Exhibitors at Annual Convention 950** 

Fail-Safe Breathing Valve for IMV Circuit 970

Fiberoptic Bronchoscopy 367

Financing for Equipment Purchase 934

Flowrate Differs from Velocity 610

Fumes of Plastic Wraps Cause Respiratory Ills 691

The Further Adventures of Chuckmo-79: No. 7 - The Jericho Affair 98

Further Use of Work/Time Units 792

The Future of Medical Devices, and How To Avoid the Worst of It 945

Gas Law Mnemonics 1041

Graphing Pencil Sharpener No. 4 85

Guidelines for Equipment Purchasing 929

Hazard in Disposable End Expiratory Pressure Device 718

Hazard with Portex Tracheostomy Tubes 1022

Hazard with Two Thermometer Adapters 1114

Hazards to the Cardiopulmonary System from Household Aerosols 1037

HEW Seeks To Limit Hazardous Cigarette Contents 271

HMO? PSRO? How Much Do You Know? 265

Home Care Ethics 18

The Hospital as Part of a Community of Equipment Needs 922

Hospital Oxygen Hazard! 660

How About Limited PEEP? 192

The Hyperpulmonastic Contiguous Ventilator 277

IMV with PEEP versus MV with PEEP 894

Independent Study Toward a Credential 1102

Infants Have Low Flowrates 32

Indications and Procedures for Segmental Bronchial Drainage 1164

In Memoriam-Edmund S Banks 550

International Management Council 324

IPPB Overordered by Physicians 1106

Is Assisted PEEP Better than Controlled PEEP? 496

Is Periodic Cuff Deflation Necessary? 992

Is Pencil Sharpener No. 4 Alive and Well on High Humidity Days? 84

Job Enrichment for All 526

Job Enrichment: What It Is and How To Measure It 543

Journal Statements about IPPB Undermine Standards 910

Keeping Mechanical Ventilators Dependable 942

La Place's Law of Conservation of the Head 444

Lateral Positioning Improves Patients' Breathing 144

Learned Something from Nearly Every Page 442

Local Management Education Opportunities 1102

Management Education Opportunities Not Well Used 718

Mandatory Continuing Education, Not Exams 878

Maintenance and Repair of Gas, Humidity, and Aerosol Equipment 938

Mechanical Aspiration: A Reappraisal of Its Hazards 661

Mechanical Ventilation and CPPB with Modified Ohio 560 Ventilator 655

Medic Alert Bracelets for Emphysema 880

Medical Internships Are Out 620

A Method for Spontaneous Breathing with Expiratory Positive Pressure 839

A Method To Forecast Labor Allocation Requirements in a Respiratory Therapy Service 563

Microbiology Self-Tutoring Audio-Visual Aids for Respiratory Therapy 1031

Mobile Display of Piped Gas and Vacuum Fixtures 270

Modification of the Bennett MA-1 Ventilator for Intermittent Mandatory Ventilation 255

Modified Equipment May Be Dangerous 432

Modified Kintner Acid-Base Nomogram 817

A Modified Oral Examination 46

The Monaural Stethoscope as a Respiratory Therapy Tool 841

The Moral and Legal Aspects of Respiratory Therapy 388

More on Contract Services 536

More on HMOs and PSROs 530

More on La Place Formula 111

More on Letters after Names 1014

More on Retesting 1006

More on Spontaneous Breathing with EPP 1116

Most Home Referral Fees Illegal 494

Muscle Fibers in Alveoli 232

Needed-A Problem-Oriented Search for Scientific Bases in Respiratory Therapy 707

Newer Concepts-1975 1137

Newer Concepts 316

New Developments in ETO Sterilization 562

1973 Assessment of Eight Adult Resuscitator Bags 69

1975 bird Literary Awards 1163

No Foam Rubber in AMBU Now 442

No Retesting Until Doctors Do the Same 720

The Nose 844

**OEM Water Manometer Advisory 720** 

140 Per Cent Humidity? 620

"Optimal PEEP" and Intermittent Mandatory Ventilation in the Treatment of Acute Respiratory Failure 551

Our Cartoonist Friends 216

Oxygen and Carbon Dioxide Transfer 480

Oxygen Toxicity in Rats. I: Variable Individual and Colony Susceptibilities 51

Oxygen Toxicity in Rats. II: Adaptation and the Chronic Phase 57

Pathogens in Central Piped Air 116

Pencil Sharpener No. 4: Pain and Pedagogy 444

Pencil Sharpener No. 6 86

Perspectives in Pressure Breathing 672

Piping System Outlet Boards: A Teaching Aid 81

Potential Hazard in Ohio Nebulizer Heaters 446

Preoperative Evaluation and Postoperative Care of the Surgical Patient 473

Pressures and Positions in Suctioning 616

Program, Twenty-First Annual Convention and Exhibition 796

A Proposal for Recredentialing Respiratory Therapists and Technicians Every Five Years 433

Proposal for Two Routes to Certification 782

A Proposed Mechanism for Upward Mobility Through the Education Programs 1050

Pulmonary Embolism 349

Quality Care Depends on Us, Not NBRT 914

Question about Assisted PEEP 618

Questions on IPPB Decontamination Article 528

Radiation in Smoke 68

A Rational Basis for Respiratory Therapy Charges 77

Recredentialing—The Handwriting on the Wall 786

Re-Examination Unfair to Ruralists 720

Re-Examining Re-Examination 624

Referendum on Licensure and Reexamination 1110

Respiratory Patient? Call the Gas Company 978

Respiratory Disease in Children-An Overview 1138

Respiratory Mechanics: A Theoretical and Empirical Approach 727

Respiratory Problems Unique to the Newborn 1146

RT Educators Examine the Examiners: The 1975 AART Education Forum 1045

Respiratory Therapy Residencies: Relationship to Specialty Identification and Postcredential Proficiency Testing 852

Respiratory Therapy Training Programs Roster 160

Resurrection Effect on Psyche 80

A Roster of Intern Programs? 222

See-Through Sides Aid in Teaching Ventilator Operation 491

Should Chuckmo-79 Retire? 445

A Simple Modification of an Adult Volume Ventilator for Use with Infants 246

Size of Unseen Aerosol Particles 222

Steroids by Inhalation for Asthma 76

Still More on Contract Services 540

A Study of Scoliosis and Pulmonary Function 752

Support for Five-Year Recredentialing 912

Susceptibility of Pseudomonas to Disinfection 745

A System To Scavenge Contaminated Gases from Respiratory Therapy Equipment 836

A Systematic Approach to Ventilator Weaning 958

Teacher Features No. 11-A Quiz on Airway Management 44

Teacher Features No. 12-A Quiz on Respiratory Trace Microorganisms 332

Techniques for Adjusting Levels of Assisted PEEP 877

Teaching Students To Think 280

Testing the AMBU for Oxygen Delivery 324

Testing the AMBU for Oxygen Delivery-Mr Steinbach Replies 442

Therapy Personnel as Smoking Examplars 1020

Time-Weighted Unit Values as a Respiratory Therapy Management Tool 558

To Leak or Not To Leak? To Occlude or Not To Occlude? That Is Not the Only Question 430

Too Little "Educational" Material in RC 18

Upward Mobility for Anyone Who Can Climb 1054

Use of the bird Mark 2 Respirator as a Mechanical Sign with bird Pressure-Sensitive Respirators 149

Uses and Abuses of Aerosol Therapy 356

Using an Artificial Larynx To Communicate with Tracheotomized Patients 659

Using the Problem-Oriented Approach in Respiratory Therapy 272

The Value of Preoperative Pulmonary Function Testing 1034

Variations in Arterial Blood Gas Measurements Due to Sampling Techniques 565

Ventilator Gas Compressibility 528

Veriflo Oxygen Controller Quality Control 224

Virtues of Silicone Rubber in Tube Cuffs 877

Waiting for a "Safe" Cigarette? Better Quit 654

Weaning Patients from Mechnical Ventilation 373

What Letters after One's Name? 617

The Who's Who Syndrome in Respiratory Therapy 576

Why Take IPPB Off the List? 881